

THE BULLETIN

UNIVERSITY OF TORONTO

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PASCAL PAQUETTE



Rhythmic gymnast Alexandra Orlando, 19, returned from the Commonwealth Games in Australia with six gold medals.

Woodsworth Student Wins Fistful of Medals

By W.D. Lighthall

AFTER WINNING SIX GOLD MEDALS at the recent Melbourne Commonwealth Games, life has become pretty hectic for U of T student Alexandra Orlando.

Since returning from Australia at the end of March, Orlando, 19, a rhythmic gymnast and Woodsworth College commerce student, has been the subject of articles in *The Globe and Mail*, *Toronto Star* and *North York Mirror*, among others. She was also interviewed by news anchor Diana Swain for a segment that appeared on the CBC's *News at Six*.

"It's been hard to keep track of everything that's going on. It's just been kind of crazy," said Orlando. "It's hard to get used to everyone talking about you and being in the paper and on TV."

Orlando set a record for being the first person at a single Commonwealth Games to earn a gold medal in each discipline within rhythmic gymnastics. She won gold in the individual disciplines of rope, ball, ribbon, clubs and all-around as well as in the (national) team category.

"The first gold was such a

confidence builder. I realized I really could win and it gave me so much confidence the rest of the games," Orlando said.

After winning her sixth gold medal, "I was in a bit of a shock. It was so overwhelming."

Orlando's medal count ties her for another record. She's now one of just four athletes to win six gold medals at a single Commonwealth Games. The other three, all swimmers, are Canadian Graham Smith and Australians Ian Thorpe and Susie O'Neill.

Since competing in the rhythmic world championship last October, held in Baku, Azerbaijan, Orlando has been training four hours a day, six days a week in preparation for the Commonwealth Games. She said much of the credit for her success at the Games goes to her coach of six years, Mimi Masleva. "And my family, who supports me in every way," Orlando added.

After Orlando won her sixth medal in Melbourne, Games organizers held a press conference for her that garnered extensive coverage from the Australian media. Later that same day, the last of the Games, Orlando was asked

to carry the Canadian flag during the evening closing ceremonies, attended by 10,000 people.

"I was in a dream. Thinking back on it, it's a bit of a blur because there was so much happening. But it was a great day," Orlando said.

Other winners at the Games included former U of T student Miel McGerrigle, who won a bronze medal in weightlifting, women's 63 kg. Now a lawyer, McGerrigle earned an honours BA from the University of Toronto at Mississauga in 2000.

Additional U of T alumni at the Games were Deb Cuthbert and Robin Leslie-Spencer, both members of the Canadian women's field hockey team; Pat Vamplew, a competitor in small-bore shooting; and Louise Walker, a member of the medical staff for the track and field team.

Graham Ryding, a part-time student, competed in squash at the Games and Beth Ali, manager of intercollegiate sports with the Faculty of Physical Education and Health, served as assistant coach for the women's field hockey team. The team placed eighth.

Tuition Approval Recommended

By Elizabeth Monier-Williams

BUSINESS BOARD RECOMMENDED approval of a proposed tuition fee schedule March 27, beginning the first stage in the U of T governance process.

The schedule reflects the parameters of the new provincial tuition framework announced March 8. Through the approval process, which will culminate when Governing Council considers approval of the schedule on May 1, the university is seeking a tuition fee increase next year of \$167 for continuing arts and science undergraduate students and \$188 for first-year students. Throughout the process, information about the tuition fee schedule will continue to be posted at www.utoronto.ca.

The schedule has been designed in accordance with the university's policy on ensuring accessibility, its objective of maintaining excellence in all U of T undergraduate and graduate programs and the government's tuition framework — the average planned increase of 4.12 per cent is less than the five per cent maximum allowed by the government's framework. For students who entered university in the 2003 double cohort, this will be the only tuition increase they

have experienced throughout their four years of study.

The proposed 2006-07 schedule will provide the university with a total of \$17.2 million in additional revenue, which will be used to ensure excellence in students' academic programs. It will allow outstanding faculty to be hired and retained and will enhance the student experience through other initiatives.

The plan presented to Business Board included the following program-specific increases in the 2006-07 academic year:

- tuition for most undergraduate programs will increase by 4.5 per cent for entrance-year students; those continuing in their studies will see a four per cent increase
- tuition for graduate programs, with the exception of the MBA program, will also increase by four per cent
- tuition for engineering students will increase by six per cent
- tuition for MBA, law and dentistry students will rise by eight per cent because of the high costs associated with these programs
- tuition for MD students will increase by two per cent, in part as a result of additional government funding for medical education provided in the previous Ontario budget.

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Governing Council to Consider Budget

By Elizabeth Monier-Williams

THE UNIVERSITY OF TORONTO IS experiencing a period of significant growth in its revenues with some significant new expenditures. The proposed \$1.27 billion 2006-07 operating budget is based on assumptions made for this budget cycle and is consistent with known information regarding grants and fees, Professor Vivek Goel, vice-president and provost, told Business Board March 27 and Academic Board March 30.

After discussing details of the budget, both boards voted to recommend to Governing Council that the 2006-07 budget report be approved at its May 1 meeting.

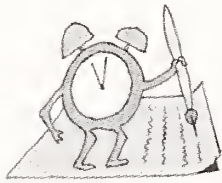
The Ontario government has renewed its commitment to its Reaching Higher investment program for universities and colleges,

increasing the university's revenues by bringing its provincial grants to \$563 million. "This is a considerable increase in provincial funding and we are thankful for it but it does fall short of the costs U of T incurs to maintain its accessibility and commitment to excellence," Goel said.

Increasing tuition fees within the guidelines stipulated by the provincial government last month will provide revenues to allow U of T to continue to improve the student experience and maintain its commitment to financial accessibility. The average tuition increase is 4.12 per cent, below the five per cent maximum allowed within the government's framework. All increases are also contingent upon a student access guarantee, which Goel said is

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IN BRIEF



NEGOTIATIONS BETWEEN UNIVERSITY AND UTFA: REPORT OF DISPUTE RESOLUTION PANEL

ALTHOUGH THE UNIVERSITY AND THE FACULTY ASSOCIATION WERE ABLE TO REACH agreement on a number of matters, including the elimination of mandatory retirement, other salary and benefit issues remained in dispute, leading to the appointment of Justice Warren Winkler as chair of the dispute resolution panel. The university nominee to the panel was Larry Bertuzzi; the association nominee to the panel was Jeffrey Sack. The university and the faculty association have received the report of the dispute resolution panel with regards to the July 2005 and July 2006 salary and benefits provisions. The Memorandum of Agreement between the university and the faculty association requires that the report be made public within 10 days of its receipt. The full report can be accessed at www.utoronto.ca/hrhome or www.utfa.org. The university is now proceeding to implement the two-year award.

SCIENCE FACILITY WILL ENHANCE RESEARCH

PREPARATIONS FOR CONSTRUCTION OF A NEW SCIENCE BUILDING AT THE University of Toronto at Scarborough officially began March 28 with a groundbreaking ceremony. The new building will provide dynamic collaborative space for interdisciplinary teaching and research in physical, environmental and life sciences. Scheduled to open in spring 2008, this advanced facility is the sixth new academic building to be added to the campus in four years. Designed by Moriyama & Teshima Architects, in association with Watson MacEwen Architects, the building will house 16 laboratories and associated support areas; offices for faculty as well as work space for research assistants, post-doctoral fellows and graduate students; meeting rooms; lounges and a 250-seat lecture theatre. The design will include floor-specific themes, for example environmental chemistry, plant and microbial molecular biology and other life sciences. Each floor will foster a highly integrated approach to research and shared common space will enhance opportunities for academic and social discourse between researchers.

GIFT ENERGIZES BUDDHIST STUDIES

A \$4-MILLION GIFT TO THE UNIVERSITY OF TORONTO AT SCARBOROUGH WILL HELP raise the profile of Buddhist studies in Canada by establishing an endowed visiting professorship and creating a series of ongoing conferences and public lectures. The gift, the largest ever made to UTSC, comes from Tung Lin Kok Yuen, 東蓮覺苑, a Hong Kong-based non-profit Buddhist organization focused on inspiring public interest in Buddhism. "They have made an extraordinary investment in Canada's understanding of Buddhism and are committed to raising the profile of Buddhism in the western world," said President David Naylor. The number of Buddhists in Canada increased by nearly 84 per cent from 1991 to 2001, according to Statistics Canada, and the organization also hopes the gift will help reach out to this community.

AWARDS & HONOURS

FACULTY OF ARTS & SCIENCE

PROFESSOR AEPHRAIM STEINBERG OF PHYSICS IS THE winner of the Canadian Association of Physicists Herzberg Medal, awarded annually for outstanding achievement in any field of research by a physicist who, in the year of the award, is not more than 40 years of age. Steinberg, whose research centres on experimental laser cooling and quantum optics, will receive the award during the 2006 physics congress, to be held at Brock University June 11 to 14.

FACULTY OF MEDICINE

MARC CHRETIEN OF LABORATORY MEDICINE AND PATHOLOGY, a junior fellow at Massey College since 2003, and Professor John Dirks of medicine, a senior fellow since 1998, are the 2006 Clarkson Laureates in public service, established in 2004 to mark the 40th anniversary of Massey College. Named in honour of Adrienne Clarkson, former governor general of Canada, this honour is awarded to members of the Massey College community whose conspicuous commitments to public service are worthy of emulation and appreciation.

PROFESSOR SUSAN KING OF PEDIATRICS HAS BEEN appointed to the Order of Saint Lucia, receiving a 2006 Medal of Merit (gold) of the order. Given in honour of Independence Day Feb. 22 by the government of Saint Lucia, King was honoured for long and meritorious service in the field of medicine. The order is considered an honour society for the purpose of according recognition to citizens of Saint Lucia and other persons for achievement, acts of bravery or meritorious service.

PROFESSOR LYNN NAGLE OF HEALTH POLICY, MANAGEMENT and evaluation is the 2005 recipient of the inaugural COACH Leadership in the Field of Health Informatics Award, recognizing outstanding ongoing contributions by an individual. COACH, Canada's health informatics association, was formed in 1975 under the original name of Canadian Organization for the Advancement of Computers in Health. It is dedicated to promoting a clear understanding of health informatics within the Canadian health system through education, information, networking and communication.

PROFESSOR RICHARD PITTINI OF OBSTETRICS AND gynecology is the winner of the Association of Professors of Obstetrics & Gynaecology of Canada's Educator of the Year Award, recognizing excellence, commitment, innovation and leadership in teaching knowledge, attitudes and skills. Pittini received the award along with an award for best oral presentation during the association's annual meeting Nov. 25 to 27. APOG currently brings together professors of obstetrics and gynecology from 16 Canadian universities involved in pre- and post-doctoral education and continuing medical education.

PROFESSOR NORMAN ROSENBLUM OF PEDIATRICS IS THE inaugural winner of the American Pediatric Society New Member Outstanding Science Award, given in recognition of contributions to research. Members elected to the society have demonstrated excellence and leadership in education, clinical care or research in child health or in more than one of these areas of activity. Rosenblum will receive this award April 30 during the Pediatric Academic Societies' annual meeting April 29 to May 2 in Orlando, Fla.

FACULTY OF MUSIC

PROFESSOR EMERITUS PHIL NIMMONS, DIRECTOR EMERITUS of jazz studies, is the 2006 recipient of the JAZZ.FM91 Artist of Distinction, marking the second time the award has been presented. The award, established to honour a Canadian artist who has made an important and enduring contribution to the promotion and development of excellence in the world of jazz, with a particular emphasis on Canada, will be presented April 10 at the National Jazz Awards gala in Toronto. Nimmons will add this recognition to the extensive list of humanitarian, academic, government and industry honours accorded him throughout a stellar jazz career spanning more than half a century.



U of T Wins Big at 2006 Juno Awards

By Michah Rynor

THE UNIVERSITY OF TORONTO WAS well represented at the 2006 Juno Awards in Halifax April 2 with four of the coveted statuettes finding their way to members of the U of T community.

The Juno Awards celebrate Canadian music excellence.

Professor Christos Hatzis of music won in the classical composition category for *String Quartet No. 1 (The Awakening)*, which topped the YourMusic.com bestseller list from August to October in 2005. The entire CD was in Amazon.com's Best of 2005 Top 25 Editor's Picks on its annual international classical music list (No. 15 overall, and No. 3 in the chamber music category), the only Canadian CD on the list. A recipient of numerous Juno nominations in the past, this is his first win.

"I am very much interested in the possibility that the kind of music I believe in may still be able to effect social change and spiritually engage as many people

as are willing to use it for their own growth," said Hatzis in discussing his work.

Celebrating its 27th year, the Tafelmusik Baroque Orchestra, the Faculty of Music's Baroque orchestra-in-residence through a multi-year agreement, earned a pair of Junos. The 18-member ensemble won awards for best children's album for *Baroque Adventure: The Quest for Arundo Donax* as well as for classical album — large ensemble for *Beethoven: Symphonies 5 et 6*.

In the alumni department, former engineering student Isabel Bayrakdarian, who has received ecstatic reviews for her performances in venues ranging from New York's Carnegie Hall to U of T's Convocation Hall, won for classical album — voice performance for *Viardot-Garcia: Lieder, Chansons, Canzoni, Mazurkas*. She was accompanied on the album by her pianist husband Serouj Kradjian, a Faculty of Music graduate.

"We are blessed with this kind of talent and not just the ones

who received awards but also those who were nominated from U of T," said Professor Gage Averill, dean of music. "And the award for Christos is a double win for us as he is accompanied on his album by the St. Lawrence String Quartet, visiting artists at the Faculty of Music whose membership includes U of T alumni. These wins point to the role that our faculty plays in the cultural life of the university and in Canada itself."

Other nominees from the U of T community were faculty members Dave Young (traditional jazz album) and Chan Ka Nin for classical composition), commerce student Sophie Milman (best jazz vocal album) and alumni Russell Braun and Carolyn Maule (both for classical album), Geoff Nutall and Barry Shiffman (both for classical album, solo or chamber ensemble), Roberto Occhipinti (contemporary jazz album and instrumental album of the year) and Brian Cherney (classical composition).

THE BULLETIN

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TERMS OF REFERENCE

"The Bulletin shall be a University-wide newspaper for faculty and staff with a dual mandate:

1. To convey information accurately on the official University position on important matters as reflected in decisions and statements by the Governing Council and the administration.

2. It shall also publish campus news, letters and responsible opinion and report on events or issues at the University thoroughly and from all sides."

As approved by Governing Council, Feb. 3, 1988

CRACKING A CONCRETE CRIME

By Nicolle Wahl

ON A DARK AND RAINY AFTERNOON in April, civil engineering students at the University of Toronto crowded into the Mark Huggins Structural Testing Laboratory to witness the gruesome execution of Mr. R.C. Beam — a 1,000 kilogram slab of reinforced concrete.

Mr. Beam was trapped in a James Bond-like situation — pinned under a massive press in a structural engineering lab at the Faculty of Applied Science and Engineering. He was scheduled to be done in — before the watchful eyes of dozens of curious civil engineering students.

"It's rare for students to get a chance to see such large-scale experiments," said Professor Paul Young, chair of civil engineering, on hand for the execution. "A practical, hands-on demonstration like this would be difficult to do during classes."

Young meets with program representatives at least twice a month to get a ground-level view of what civil engineering students are experiencing. Consistently, he heard that due to class sizes, students weren't getting the opportunity to view large demonstrations during class. He decided to set aside some money and put out a challenge to professors to come up with ideas that could act as great learning demonstrations.

Professor Frank Vecchio stepped up with an idea with a

twist: CSI:Toronto. No, not a forensic crime drama — in this case, CSI stands for concrete structures investigation. He arranged a mock crime scene: Mr. R.C. (Reinforced Concrete) Beam would be subjected to increasing loads under a Baldwin-Lima-Hamilton universal testing machine capable of crushing or stretching tests of up to 544,312 kilograms of pressure.

Groups of students used assessment and forensic analysis techniques to estimate at which point Mr. Beam would first crack and would finally fail under pressure. The teams made their estimates and perched on stools around the machine, leaning forward and watching for signs of distress. Vecchio gave the order to start applying pressure, and as the pressure readout crept past various estimates, disappointed cries went up from teams around the room. Initially, Mr. Beam appeared unmoved by the strain, but at 65 kiloNewtons (about 6,626 kilograms), the first tiny crack appeared. The crowd shouted, then hushed. Still, it was minor — an engineer might overlook or dismiss the crack in a building inspection.

"Now, we're going to start loading," yelled Vecchio, and the crowd roared, ready for action. At 11,009 kilograms, the first flexural cracks appeared, first 0.1 millimetre, then 0.2 millimetre — still within safety norms. Then, the cracks expanded to 0.5 millimetre

— an indicator that the reinforcing steel was beginning to yield.

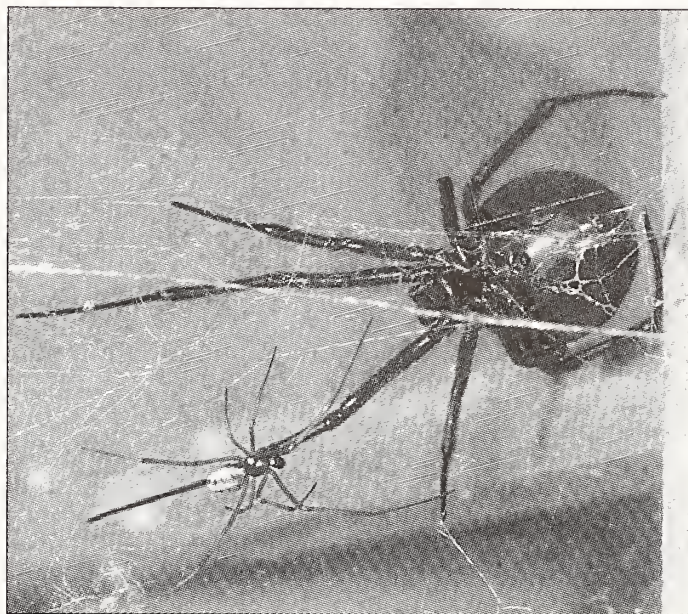
As the pressure mounted, a 7.5 millimetre shearing crack appeared along the width of the beam. Vecchio traced its path, then told the class, "If you were being asked to assess the safety of the building at this point, you should say, Evacuate the building!"

Then — snap! At 20,234 kilograms, or about 14 times the weight of a mid-size car, a massive shearing crack split the beam lengthwise — marking the end of Mr. Beam's short but educational life.

Vecchio, who has two daughters who watch the CSI television shows, has been teaching the Reinforced Concrete I class for several years and thought this would be a great way to bring their in-class discussions to life. "Between the cost of the beam and roughly three to four days of lab time, this demonstration probably cost about \$5,000," he said. "But in terms of bringing home the lessons that I've touched on in class, there's nothing like it."

The experience was a positive one for students, if not for Mr. Beam, the students agreed as they celebrated with pizza. "We don't normally get the chance to see this kind of demonstration," said Albert Kong, a third-year student on the winning team along with Shayan Nahrvar, David Sherman and Kiki Cheung. "It's really great — it changes the experience of education."

'Scent of a Woman' Tells Male Redback Spiders to Find a Mate



Top: The male redback approaches his mate. Bottom: The moment his mate consumes him.

ANDREW C. MASON

By Nicolle Wahl

IF MEN THINK FINDING A NICE partner to settle down and raise children with is tough, consider the plight of the male Australian redback spider. Instead of personality conflicts, spats over in-laws and financial worries, imagine that immediately after the first time you have sex, your partner — who is 100 to 200 times your body weight — will eat you alive.

Not the ideal honeymoon, perhaps. But redback males, who get only one mating opportunity — an uncommon occurrence in nature — have a few tricks up their (eight) sleeves. A new study by researchers at U of T at Scarborough has identified developmental adaptations in male Australian redback spiders (*Latrodectus hasselti*) that give these guys an edge in their deadly dating game. The study in the April 4 issue of *Current Biology* reports that males develop faster based on the population density of males and females around them — the first time such a phenomenon has been shown in any animal.

"It shows that males are really tracking the selection pressures that they're facing in an environment — they're aware of male density and the amount of competition they're going to be facing," said Michael Kasumovic, a PhD candidate in the UTSC laboratory of Professor Maydianne Andrade of life sciences. "It's the first time that it's been shown that males are actually changing their development in response to both sexual and natural selection."

Redback spiders are relatives of black widow spiders and the marble-sized female redbacks dwarf the males, who are about the size of a grain of rice. While the females can live for up to two years, males live for only four to eight weeks. Initially, they remain on the web where they were born

but soon disperse when wind conditions are appropriate. Once they settle on their own web they begin molting and building up fat reserves when they reach sexual maturity, they cease eating and focus solely on finding a mate. If they are lucky enough to find a female, they put all of their resources — including their lives — into it. In the process, they deposit a sperm plug — a small part of their copulatory organ that stays inside the female — that prevents any future males from successfully fertilizing her eggs, meaning that males have to mate with a virgin to maximize their reproductive success.

"On the one hand, they want to provision themselves to survive this trip," Andrade said. "On the other hand, they have to develop quickly so that they become sexually mature in time to mate with these virgin females before the females mate with someone else." These are opposing pressures and the researchers found that males are able to gauge which issue is most pressing in their particular situation while they are still juvenile and use that information to maintain or speed up their development.

"We call it 'scent of a woman,'" Andrade said with a laugh. "They do this without contact — they smell how many females are around them."



KEN JONES

WHAT A LIFE

Great stories on display at Robarts

By W.D. Lighthall

LOOKING FOR A GOOD BOOK TO read on your summer holidays? Look no further than the second-floor exhibition space in Robarts Library where you'll find a display of this year's collection of books recommended by U of T library staff.

This is the fourth annual exhibit of "staff picks" and this year's theme is biographies and autobiographies that current and former members of the library staff have found to be inspired reading.

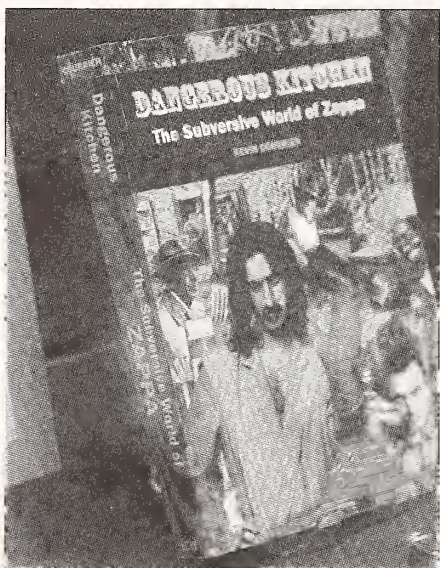
Entitled Life Stories: An Exhibition of Auto/biographies Recommended by U of T Library Staff, the 108 selections in the exhibition comprise a diverse range of books, including one originally written in Spanish, two in Chinese and two audio books.

"We have a whole range of books, from A to Z," says Carole Moore, chief librarian. "We have Maya Angelou to Frank Zappa and everything in between."

The books are displayed with a one-page description written by the staff member who contributed the selection. In some cases, the display includes artifacts or items with a connection to the life story

told in the book.

"There was more of a personal connection to the books this year. I think the subject matter just lent itself to that in a particular way," says Maureen Morin, a graphic



designer with the library's Scotiabank Information Commons and chief organizer of Life Stories, which is on display at Robarts until the end of August.

Morin's contribution is *The Day They Took the Children* by Ben Wicks. The book is a collection of accounts by those who, as children growing up during the

Second World War, were evacuated from their homes in England's cities to the countryside — and in some cases, to other countries, including Canada and Australia.

Morin has a personal connection to the book. Her own mother was evacuated during the war to the English countryside from her home in Newcastle-on-Tyne. "We still live in a world of upheaval. Wherever there's political unrest or war, children get caught up in it," says Morin of the book's relevance today.

One book in the exhibition with a U of T connection is *A Gentlewoman in Upper Canada, the Journals of Anne Langton*, by H.H. Langton. Contributed by Robert Blackburn, the retired university chief librarian, the book contains the journals of Anne Langton who chronicled life on her brother John's rural home near Fenelon Falls in the mid-1800s. John Langton was elected vice-chancellor of the University of Toronto in 1856 and his son H.H. Langton, who originally edited *A Gentlewoman*, was also the university's librarian from 1892 until 1923.

PASCAL PAQUETTE

Colorectal Cancer: What you need to know

Join us for an evening talk on Colorectal Cancer
MONDAY, APRIL 24 2006 6:30 - 8:30 P.M.

Our experts will discuss:

- Colorectal Cancer Screening: Just Do It!
- Dr. Linda Rabeneck, Regional Vice President
Toronto Sunnybrook Regional Cancer Centre
- The Role of Surgery and Teamwork
- Dr. Andy Smith, Head, Division of
General Surgery
- Hope in the Face of Adversity: Standing up to
Metastatic Colorectal Cancer
- Dr. Calvin Law, Surgical Oncology

Please RSVP your attendance by April 21, 2006
Phone: 416.480.4117 or e-mail:
speaker.series@sw.ca

Free Admission Free Parking, Garage One

Monday, April 24th 2006 6:30 - 8:30 p.m.
McLaughlin Auditorium, Sunnybrook Campus
E Wing Ground Floor, 2075 Bayview Avenue



Tuition Approval Recommended

-Continued From Page 1-

Part-time undergraduates will pay fees equal to the full-time fee, pro-rated on a per-course basis relative to a full-time course load. For part-time graduate students, fees are set at 30 per cent of the full-time annual fee, excluding the part-time MBA program. In programs where tuition is calculated on a course-by-course basis, fees will be based on the tuition fee for

the program divided by the normal course load for full-time study.

In blended fee programs where tuition amounts are set upon the student's entry for the duration of the program — dental specializations, dental residents, MD/PhD, part-time MBA, MMPA and PharmD — there will be no increase for continuing students.

Although tuition fees for international students are not subject

to provincial policy, the report also includes their fee schedule (which has been posted on U of T's website since April 2005). It reflects the proposed increase of five per cent that was projected for 2006-07 in 2005-06.

Detailed information by program is available on the Provost's website: www.provost.utoronto.ca/English/Tuition-Fee-Schedule-2006-07.html.

Governing Council to Consider Budget

-Continued From Page 1-

similar to U of T policies concerning student access and financial aid.

"We are expecting to be able to meet this guarantee," Goel told board members. "We are pleased that the government is setting objectives and leaving it to universities and colleges to determine how to achieve them rather than enforcing a specific process for how the money is to be used."

The 2006-07 enrolment plan continues to change due to the double cohort. St. George arts and science will have a small subsequent reduction in overall undergraduate enrolment, said Goel. Plans are underway to continue to expand international enrolment and to expand graduate enrolment, although proposed details

about government support for the graduate expansion remain unclear since the province has not announced how it plans to allocate funds in this area.

Academic programs and related services account for 70 per cent of budgeted expenses. Higher utility costs were a major driver behind expense increases. Other increased expenses include those due to enhancement of the student experience and support for research operations.

The university is maintaining its commitment to enhancing the student experience through new expenses that will directly benefit students, including Varsity Stadium and the Multi-Faith Centre, capital projects that were approved by governance last year

along with the newly created Student Experience Fund that will support initiatives to enhance the student experience. Examples of such initiatives include student activity and study space, small group experiences and effective technology support.

"This budget is consistent with the university's goals and framework for achieving them," President David Naylor said. "It allows for creativity as we continue to set our best priorities. I'm particularly delighted by the addition of the Student Experience Fund although we continue to be under tight financial pressure. The new budgeting model allows more transparency in our budgeting process and better planning as we move forward in 2006-07."

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INTO THE FIRE

Infrared sensor could help reduce greenhouse gas emissions

By Nicolle Wahl

IMAGINE PEERING INTO THE BLAZING heat of a 1,600 C industrial furnace with a cool goal: reducing the greenhouse gases it produces every year.

Now, engineers at the University of Toronto are doing just that. Professor Murray Thomson, who leads the combustion group in the Department of Mechanical Engineering, has just completed the first industrial test of a prototype infrared sensor that could potentially increase the efficiency of large industrial furnaces and simultaneously reduce their output of harmful greenhouse gases such as carbon dioxide (CO₂). Thomson says that if this technology were used on every large industrial furnace across Canada, it would prevent 157,000 tonnes of CO₂ emissions per year.

The team tested the prototype at Ontario Power Generation's Nanticoke coal-fired boiler. On Feb. 15, they ran a test at steel-maker Stelco Inc. in Hamilton.

Currently, Stelco has no way to monitor gases or temperature in the middle of the furnace, which works like this: pig iron, which has a high carbon content, is put inside a basic oxygen furnace and oxygen is injected into the inferno,

which oxidizes the carbon, releasing energy and producing steel.

Once all the metal's carbon is gone, levels of both carbon monoxide and carbon dioxide gases inside the furnace drop and the iron itself starts to burn, which is a waste of their product. With steel furnaces, roughly half of the energy used in the process is wasted. "If they knew what the CO and CO₂ levels were, they could stop the oxygen injection as soon as the carbon oxide levels disappear," Thomson says. "The motivation is primarily energy efficiency. But it's more than that — there's potential for productivity gains and you get higher quality steel."

Thomson has been working in this field for nearly a decade. About six months ago he started building a passive sensor technology that examines the light produced by the furnace.

The sensor, protected by a heat shield, peers through a 20 centimetre by 20 centimetre window in the furnace. "The device collects all the light that arrives at the infrared sensor and passes it through a spectrometer, which acts like a prism in that it spreads out light of different wavelengths," says Salvador Rego, a PhD candidate in the combustion group. "We've selected a region of

the spectrum where we know that we will find the signal for CO and CO₂ — between four and five microns." They can detect a change in gas levels within five seconds, allowing the company to adjust the furnace conditions. For example, to prevent the wasteful burning of iron, Stelco would shut off the oxygen injection as soon as levels of carbon oxides dropped.

Moreover, when unburned fuels leave the furnace they add to greenhouse gas emissions. Carbon dioxide produced in industries like steel or energy is vented into the atmosphere where it forms a layer through which sunlight can pass, heating up the planet, but through which heat can't escape. "We want to stop climate change and global warming," Thomson says. "The way we're going to do that is to minimize CO₂ emissions."

"This technology in itself isn't going to solve the whole greenhouse gas problem but it's one piece of the puzzle."

U of T, Techint-Goodfellow Technologies, the Ontario Centre for Environmental Technology Advancement and Unisearch Associates have formed a consortium to commercialize new technologies with the help of Sustainable Development Technology Canada.

BOARD BRIEFS



CONCURRENT TEACHER EDUCATION PROGRAM ON TAP

A NEW PROGRAM THAT INTEGRATES THE STUDY OF EDUCATION across a five-year period received Academic Board's recommendation for approval March 30. If Governing Council concurs, it will pave the way for changes that will have a significant impact on the relationship among several divisions. The concurrent teacher education program will allow students to earn both a bachelor's degree in arts, science, music or physical and health education and a bachelor of education degree. The partnership includes the Ontario Institute for Studies in Education of U of T, U of T at Mississauga, U of T at Scarborough, the Faculty of Music, the Faculty of Physical Education and Health, the University of St. Michael's College and Victoria University. "This is a proposal that is quite historic," said Professor Vivek Goel, vice-president and provost. "Out of the planning processes that I've been involved in at my time in the university, I don't think I've ever seen anything that involved as many academic units as this one does. This will clearly be a very important program for students." Pending approval by the faculties involved and accreditation by the Ontario College of Teachers, the program will be offered in 2007-08.

REFURBISHMENT REQUIRED

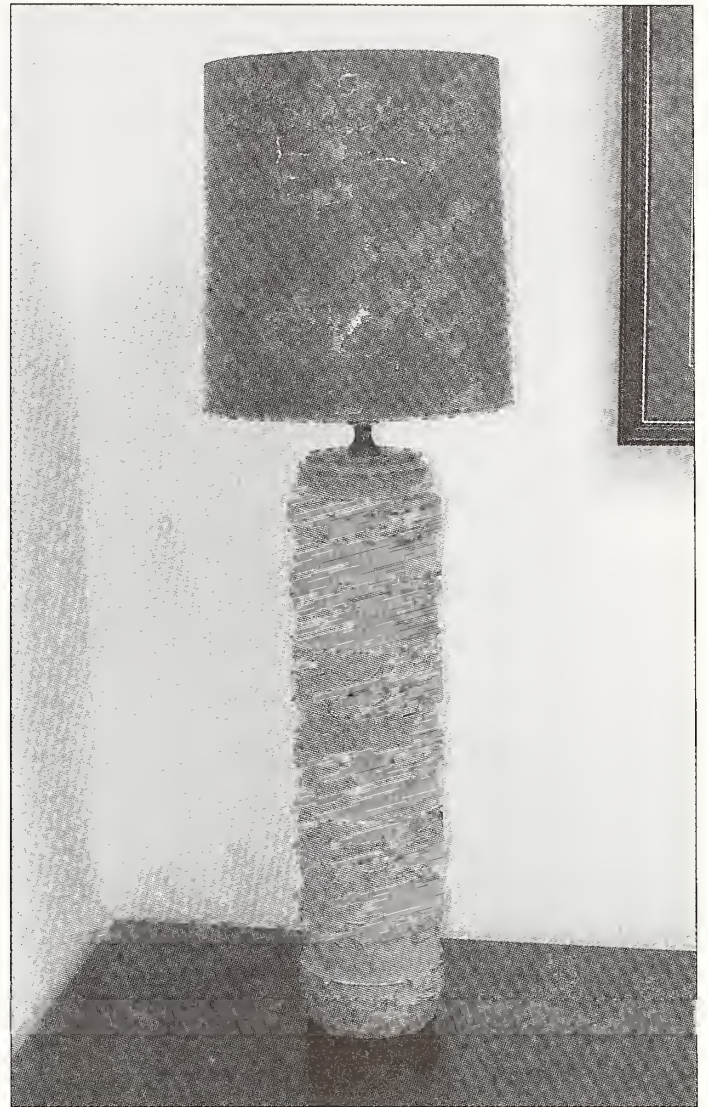
A PLAN TO REFURBISH THE EAST ARRIVAL COURT AT U of T at Scarborough was recommended for approval March 30 at Academic Board. The existing court has been under increased pressure during recent years due to intensive development at UTSC. The proposal will incorporate improvements to enhance the student environment. The new design incorporates a pick-up/drop-off site, the second commuter facility

of its kind at UTSC and much needed by students. The plan will also provide a new entrance from Military Trail and improve stormwater management in the Highland Creek Valley watershed. The new parking area will provide 21 barrier-free spaces for people with disabilities and increase visitor parking capacity while maintaining 282 permit parking spaces. The total estimated cost of the plan is \$3.1 million. Governing Council will discuss this item at an upcoming meeting.

LIGHTING RETROFIT, CHILLER REPLACEMENT GET GREEN LIGHT

AS THE DAYS GET LONGER AND THE FIRST HINT OF WARM weather arrives on campus, thoughts turn to light bulbs and air conditioning. At Academic Board March 30, members recommended approval of a project planning report that provides for the urgent replacement of 18 chillers serving 23 buildings on the St. George campus. Some of them have exceeded their rated service life by 20 years and use chlorofluorocarbon refrigerant, which is linked to ozone layer damage. The plan also calls for the replacement of 86,000 inefficient T-12 fluorescent lights with more reliable and safe T-8 lighting. The plan would reduce energy use by approximately 12 gigawatt hours per year, reduce energy costs by \$1.3 million annually and reduce demand on the university's electrical system. The changes would also reduce greenhouse gas emissions from U of T by 3,100 tonnes of carbon monoxide per year — the equivalent of taking 600 cars off the road. If Governing Council approves the three-year program, which will cost \$19.87 million, the necessary funding will be partially covered by Toronto Hydro and Natural Resources Canada grants.

CURIOSITIES



MIKE ANDRECHUK

COFFEE TABLE MYSTERY

By Michah Rynor

YOU WOULD NEED A WELL-TRAINED EYE TO REALIZE THAT THIS LAMP BASE from the Hart House attic once had a very different life. The first clue is that it weighs a good nine kilograms and appears to be made of brass, green-tinged copper — and cement. Only after running your hand over the raised hieroglyphic-like pattern might you grasp the fact that this used to be an industrial roller used to imprint a design onto wallpaper.

Thinking Inside the Box

By Michah Rynor

BEING "IN THE DOGHOUSE" HAS certain negative connotations but Dogtrot, a collapsible cottage that can be folded into a box at the end of the sun and fun season, may be the way of the future for cottage owners faced with expensive and hard-to-find land — and we have good old Rover to thank for it.

Professor Shane Williamson of the Faculty of Architecture, Landscape, and Design and his wife, Betsy (an architect with Williamson/Williamson architects in Toronto), are working on the prototype of a small, economical foldaway cottage building that can be used as an extension of the traditional cottage.

Dogtrot got its inspiration and name from the traditional enclosure used to house dogs while giving them an outside "trot" area for the sweltering animals to escape from the summer heat.

This "outbuilding" as Williamson calls it, often seen in the southern United States, "is an easily manipulated type of housing required to be 100 square feet or less, which doesn't need a

building permit and which can stand as a one-season (summer) structure. The dog trot idea facilitates the merging of two tiny buildings (using movable walls) into a useful summer mini-cottage."

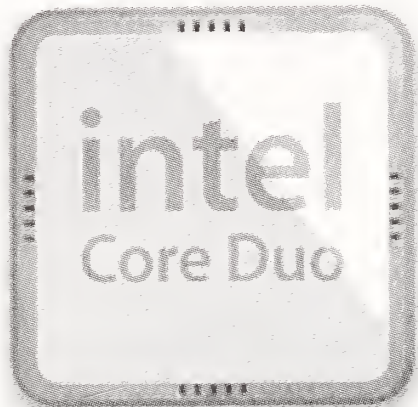
So mini in fact that the building can be shut down into a box-like form when winter comes, while in the summer the interior walls can be folded up or down to form an easy-to-construct enclosure. "In this scheme, some panels can be shaped to reveal a living space while other panels can open to form a sleeping area," Williamson said.

This concept of summer living puts less demand on the environment by taking up a very small amount of green space and, by having the ability to fold into a box at the end of summer, becomes a less attractive target for vandals — a traditional headache for cottage owners. And with space for that summer getaway becoming more difficult and expensive to come by, it can be an ideal solution for extending existing cottage space.

The first prototype of Dogtrot is currently being built in Orillia, Ont., for a private client.

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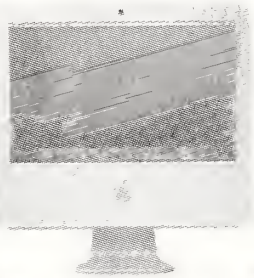
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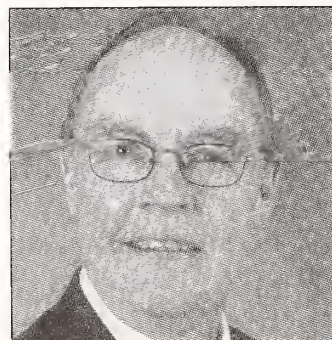
IN MEMORIAM

Bradley Was Outstanding Teacher, Mentor

PROFESSOR JOHN BRADLEY OF anesthesia died March 6 of natural causes. He was 56 years old.

"John was an outstanding educator who cared deeply about the personal, academic and professional development of medical students and other trainees, administrative staff and faculty," said Professor Jay Rosenfield, associate dean (undergraduate medical education), a colleague and friend. "He had an endless enthusiasm and gave advice and mentoring that was always honest, practical and positive."

Born in Kincardine, Ont., Bradley grew up on a dairy farm in Amberley. Although his father initially hoped he would become a farmer, he supported his son's decision to go the University of Guelph. While studying agricultural science, Bradley was inspired by fellow students' interest in veterinary school and consequently applied. After two years of veterinary school and a BSc in 1972, he met a number of physicians during a summer scholarship with the National Research Council. He decided to apply for medical school, earning his medical degree from U of T in 1975. After graduation Bradley completed the general practice anesthesia program and entered private practice in 1977. In 1980 he returned to U of T for his anesthesia residency and joined the Department of Anesthesia as a lecturer in 1983, becoming an assistant professor in 1988 and an associate professor in 1995. He was a staff anesthesiologist at Toronto General Hospital (University Health



Network) from 1983 to 2006.

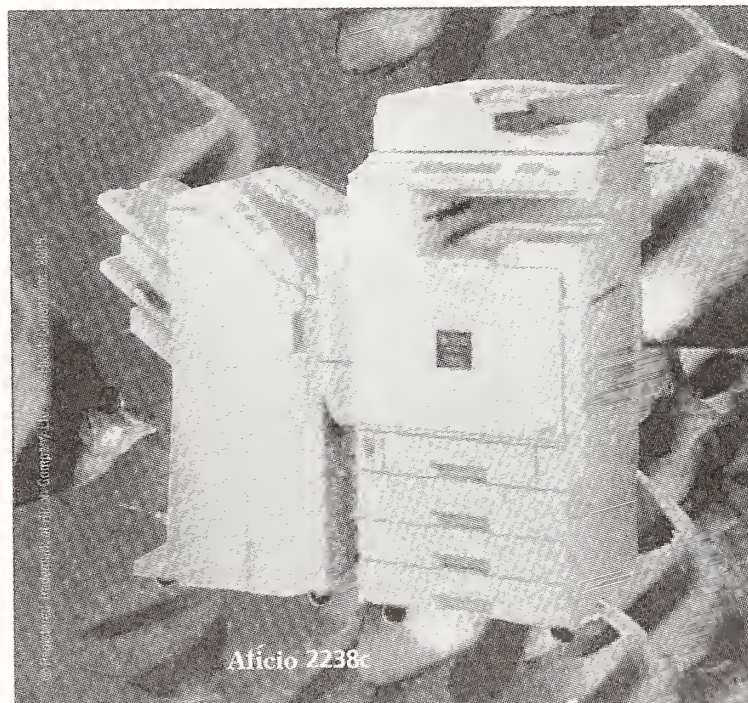
Bradley was enthusiastically involved in the education of medical students and anesthesia residents from the beginning and was devoted to his students. As proof, he received the Best Clinical Teacher Award of Toronto General Hospital's Department of Anesthesia three times and the hospital's 1996 W.H. Anderson Teaching Award for Individual Teaching Excellence. In 2000 he was awarded U of T's Department of Anesthesia Dr. John Desmond Teaching Award for excellence in undergraduate education, followed in 2002 by the W.T. Aikins Faculty Teaching Award in the course/program development and co-ordination category — only the second anesthesiologist to receive the award. His most recent teaching award came in 2004 from his colleagues in the Canadian Anesthesiologists' Society: the association's Clinical Teacher Award, recognizing excellence in the teaching of clinical anesthesia and given to a member of the society who has made a significant contribution to the teaching of anesthesia in Canada.

He was an equally enthusiastic administrator. He was active in

his role as course director of the Art and Science of Clinical Medicine-1 course from 1999 until his death, transmitting his enthusiasm and commitment to quality care to students and faculty alike. It was through this course that students developed the fundamental skills required in clinical medicine, including basic physical examination techniques and the verbal, non-verbal and written communication skills necessary to obtain and document appropriate information from patients. His background in both general practice and clinical anesthesiology gave him the breadth of experience essential to his course design. As director of the Wightman-Berris Academy of the Faculty of Medicine since 2001 he was particularly proud of the establishment of the Paul B. Helliwell Centre for Medical Education.

"He was an accomplished individual teacher as well as a course director and academy director and could always be counted on for innovation and excellence in any of his pursuits," Rosenfield said. "He will be missed greatly in undergraduate medical education."

A man of great warmth and humour, he was known to many for his ability to make a mildly amusing event hilarious in the retelling. "The thing I will remember most about John is his enormous sense of fun," said Professor David McKnight, a good friend and colleague. "He had it as a student and he retained it as a teacher; I think it contributed to his great success."



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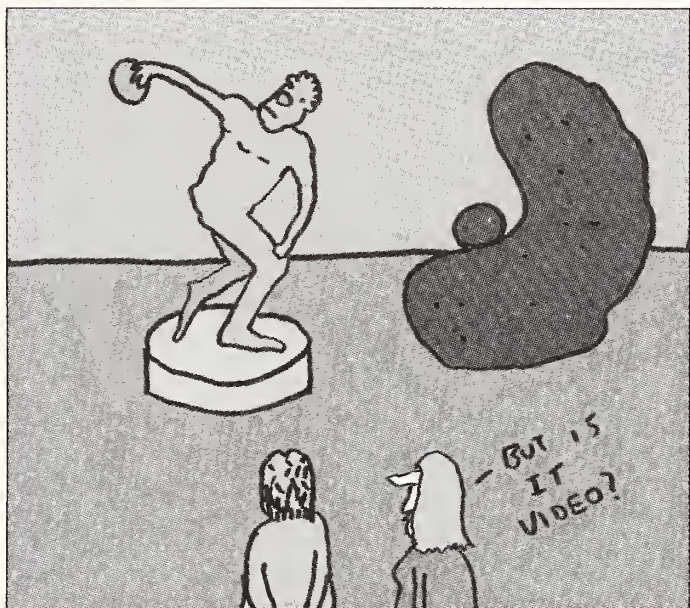
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The Death of Radical Art, Facing Double Jeopardy



MIKE ANDRECHUK

Did video kill radical art?

During the 1960s abstract art was at its zenith but in the following decades this radical art form diminished in importance, due in part to the increasing popularity of video art and the feeling that abstract canvases and sculptures had become old-fashioned. However, abstract art went through a period of resurrection during the 1990s and Professor Mark Cheetham of fine art has pieced together how this evolution happened in his new book *Abstract Art Against Autonomy: Infection, Resistance and Cure Since the 60s*.

"Since around 1915, abstract art had been the most progressive and controversial art form," said Cheetham, director of the Canadian studies program, "but since the 1960s the elements of what had been celebrated about it, especially from such influential critics as Clement Greenberg,

were turned upside down and inside out and its popularity waned throughout the 1970s and 1980s. This was in part due to the increased popularity and presence of photographic art and the work of video artists. Suddenly, abstract art looked dated and even quaint to some."

But this wasn't really the case at all, he said, "because a lot of abstract artwork was in fact not only very current but 'breaking out of the frame,' thanks to such artists as Canada's own General Idea group with their ironic reinterpretations of such celebrated artists as Mondrian as well as their own very unusual take on the AIDS crisis."

Cheetham is fascinated by the circumstances in the art world that precipitated the unexpected demise and recent resurgence of abstract art. "In the last 10 years there has been an extraordinary

rebirth in interest in this art form and I wanted to figure out what happened in our culture that brought this all about."

MICHAEL RYNOR

Minority women face "double jeopardy" in the workplace

New research at U of T is the first to empirically document that women who are visible minorities face a double dose of harassment in the workplace — based both on sex and ethnicity.

Professor Jennifer Berdahl of the Rotman School of Management and Celia Moore, a PhD student, tested the "double jeopardy hypothesis" by surveying workers at three male-dominated manufacturing plants and three female-dominated social service organizations.

"If you add up their sexual and ethnic harassment," Berdahl said, "minority women are harassed more than others." The researchers were interested in two theories of harassment: additive, which predicts that minority women face harassment that is the sum of their status as women and as minorities, and multiplicative, which suggests that sex and race are not independent categories and predicts that minority women would face compounded harassment. The researchers found that their data supported the additive theory, though Berdahl suspects that further research using a larger sample might lend weight to the multiplicative theory as more accurate.

The study, published in the March issue of the *Journal of*

Applied Psychology, was also the first to examine the prevalence of "not-man-enough" harassment among women. Said Berdahl, "Not-man-enough harassment is shorthand for making somebody feel like they're not tough enough, calling them a wimp, telling them they're too sensitive. It's been conceptualized as something that happens to men, primarily from other men." Berdahl and Moore found that there were no sex differences in the experience of this sort of harassment — that is, it happened to women as much as to men. Both men and women of colour, however, were disproportionately targeted, suggesting that ethnicity plays a role in this type of sexual harassment.

"Right now our prototype of a sexual harassment victim is a white woman and our prototype of a victim of racism in the workplace is a black man," Berdahl said. She hopes that policy-makers and human resources professionals will pay heed to the propensity for minority women to be particularly vulnerable to harassment in the workplace.

JENNY HALL

Women more likely to require urgent asthma care

Women are more likely to require urgent asthma care despite frequent use of inhaled corticosteroids and better knowledge of the disease, says U of T research.

A study appearing in the March issue of the *Journal of Asthma* reports that in a 2001 survey of Canadians with doctor-diagnosed asthma, men achieved a greater

degree of asthma control, despite using less medication and having less information about the condition. "We have long suspected that gender plays a role in asthma and these findings suggest a link," said the study's lead author, Professor Anna Day of medicine and Sunnybrook Health Sciences Centre.

Surveyors interviewed a total of 801 adults over the phone and analysed data from a subgroup of 20- to 50-year-old patients with asthma. They found there were significant gender differences; women were more likely to use an inhaled corticosteroid in the treatment of their asthma, more knowledgeable about their medications and asthma and more satisfied with their physician's care. But the women were also more likely to require urgent asthma care.

The study brings up a number of interesting questions on how gender affects this important disease, according to Day. The Asthma Society of Canada estimates that every year 500 Canadians will die from the disease — most of the deaths being preventable through proper management and education. "Women's biology, including their airway size and hormones, likely accounts for how women respond to common therapies to a greater extent than we have previously realized," she said. "It's important that we examine the role of gender and whether or not medication and management of asthma should be tailored differently for women and men."

KAREN KELLY

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PROFILE

TENDING THE FLOCK

Campus chaplain provides unique ministry

By MICHAH RYNOR

SOME MISCONCEPTIONS DIE HARD AND WHEN A FRIEND of Ralph Wushke, U of T's ecumenical chaplain, admonished him, saying that he worked for "the old boys club of U of T," Wushke shot back, "You obviously haven't been on campus lately. Come and stand on the corner of Harbord and St. George streets with me for 10 minutes amidst that sea of ethnic and cultural diversity and you'll see how wrong you are."

Wushke, who is based at Knox College, certainly isn't your typical chaplain. For one thing, this environmental activist dressed in blue jeans rarely wears the sombre black suit and minister's collar uniform favoured by the majority of more traditional ministers and chaplains.

In fact, the collar will only come out while conducting weddings or taking part in political demonstrations in front of such places as the U.S. consulate (protesting against war) or at court houses (addressing gay rights and war resister immigration issues).

He knew as a child of eight growing up on a farm near the small town of Wapella, Sask., that he was going to be a minister. Other than environmental activism, it is the only career he has ever wanted. Unfortunately, he had to leave his beloved Lutheran Church when he came out of the closet as a homosexual.

"I knew that my sexuality was going to be a challenge to my sense of calling but I didn't confront the issue until the end of my seminary studies, although I never doubted that I would come out," Wushke says. "I had no intention of spending my entire adult life as a closeted minister — that way lies neurosis."

He was ordained in 1978 with only his family and friends knowing he was gay. It was during an interview in 1988 with the religion columnist of the *Toronto Star* that he made his sexuality known. The impact was immediate.

"I knew that I was now ineligible to be a Lutheran pastor and I was removed. In fact, my coming out resulted in the development of policy and practice statements in the Evangelical Lutheran Church in Canada making homosexual

pastors in gay relationships officially ineligible to serve."

Although not in a relationship at the time, Wushke made it clear to the reporter that he was looking for one. "I was pursuing the practice of homosexuality," he says with a laugh.

Because of this very public outing, Wushke studied at the Toronto School of Theology, an affiliated college at U of T, and eventually was admitted to the United Church of

Canada, which allows gay ministers. And while he isn't the only gay chaplain on campus, he is certainly the best known.

"Few gay pastors or ministers associated with the university have made queer theology the passion that I have," he states. "It's my destiny and I spend much of my life thinking about it and practising it."

In fact, his Qu(e)rying Religion discussion group, held at Hart House — now in its second year — has proven to be a much-needed outlet for campus gays, lesbians and bisexuals. "I thought it was important that there be a place somewhere at this university where the values of faith could be discussed in a safe, sex-positive environment for students, faculty and staff," he says. "Queer communities are, generally speaking, not that receptive to traditional religion and religious communities in general aren't that receptive to queers so that is a particular nexus that is worth providing space for."

Wushke also makes space for his partner of nine years, David Vereschagin, a graphic designer he met through the classified section of *XTRA!*, Toronto's gay newspaper, in 1997. Although faith is a very important part of Wushke's personal and professional life, Vereschagin, ironically, is an avowed atheist.

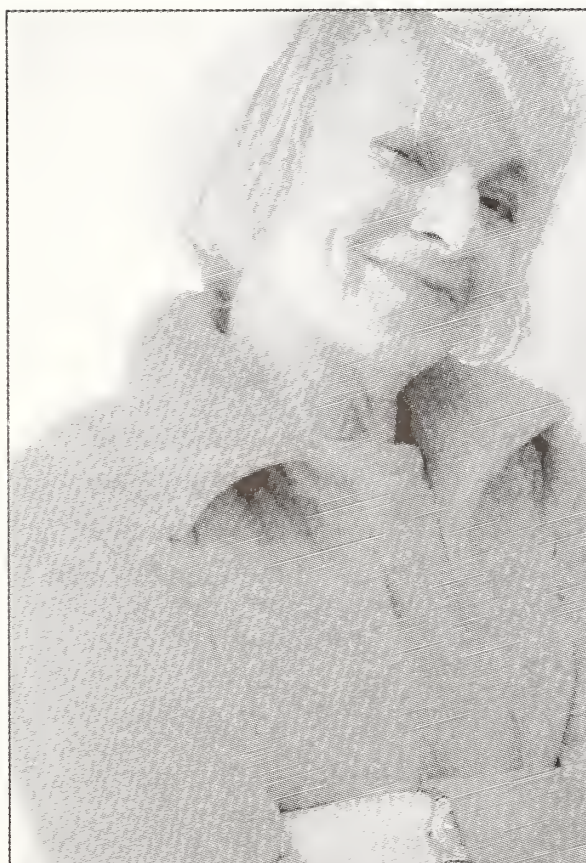
"There is no lobbying in the household," Wushke says, laughing. "I love going to church and although there are times when I wish he was by my side singing hymns or praying I know that this just doesn't speak to him, which I accept, and it doesn't mean we can't have a high degree of mutual respect for each other's values."

Together, they enjoy gardening and collecting vintage 50s furniture and retro china and both share a genuine concern for the environment.

"There are many issues such as homelessness and poverty to fight for but I believe if we don't confront the environmental crisis we are facing right now there won't be an opportunity to discuss anything else in 50 years."



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FASHIONABLY GREEN

Victoria University students model environmentally friendly fashions

By MICHELLE MACARTHUR

LAST TUESDAY, VICTORIA UNIVERSITY STUDENTS PROVED that environmental consciousness can also be stylish at Elemental, a fashion show topping off Victoria's Environmental Day.

The first event of its kind at Vic, Elemental took place at the Cat's Eye Lounge on the Victoria University campus and was co-produced by student representatives from the Victoria University Environmental Society (VUES), the Victoria University Student Administrative Council (VUSAC) and Rowell Jackman Hall Residence. Featuring clothing made of hemp, bamboo, organic cotton, wool and recycled materials, the fashion show highlighted student-made original works as well as clothing borrowed from local retailers.

Underlying the entertaining show was a more serious goal. "The purpose is to raise awareness of people's ecological footprints and how what we're doing today is not sustainable. Part of what's not sustainable is, for instance, the clothes that we're buying, the way we grow our cotton, what our clothes are made of," says Sarah Bingham, a third-year sociology student who is a member of the environmental living-learning community housed at Rowell Jackman Hall.

"To make one cotton T-shirt takes 7,000 litres of water," adds Laurn Drainie, a Vic One student and member of VUES.

True to its title, Elemental was divided into four themes: earth, wind, fire and water. Each themed section was introduced by multimedia clips depicting the destruction and regrowth of the environment and featured Vic students walking the fashion runway.

Exhibiting a diverse array of styles, from haute couture to workout wear, the show also set out to dispel myths about ecologically friendly fashion. "There's always an interpretation of hemp clothing being just sweat pants — only for 'hippies' — so we're trying to show that you don't have to look like a bum to be environmentally conscious. You can look good!" says Greg Beres, a member of VUSAC and a second-year international relations student.

After the event, select designs were auctioned off, with all proceeds benefiting the Toronto Environmental Alliance, a local organization that works to promote a greener Toronto. "We picked an NGO that is small and local to Toronto so that the donation that we make is actually useful in trying to help the Toronto community," Beres says.

With its successful blending of awareness raising and entertainment, and with talk of making Environment Day

an annual event at Vic, Elemental may be back again next year. "If this is a big hit then maybe we can continue the fashion show aspect of it. I think it's a great idea," Beres says.



Bryn Dhir models a self-designed paper dress made from issues of *The Strand*.



Eli Milton walks the runway wearing an outfit called *Warrior Heat* made from fabric scraps.

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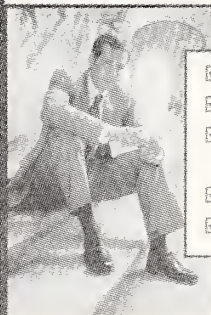
The public is invited to a reception in the Debates Room at Hart House, 5:00 - 6:30 p.m. following the lectures on April 27.

Carlos Bustamante is a Professor of Physics and Molecular Biology at UC Berkeley and leads the Advanced Microscopies Department at LBNL. He is well known for outstanding developments in single molecule manipulation methods to investigate biochemical processes.

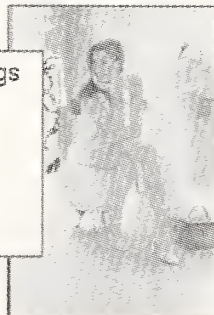
Brian Hoskins is a Royal Society Research Professor at the University of Reading. He is renowned for his contributions to dynamical meteorology, including work on fronts, mid-latitude storms, large-scale waves and the impact of tropical convection.

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LETTERS



IN LANGUAGE, USAGE IS KING

In seeking to maintain the rigid distinction between chaste (for sexually abstinent) and celibate (for unmarried) posited in his letter, Professor James Estes forgets that, in language, usage is king (Those Who Abstain From Sex Are Chaste, Not Celibate, March 27). It is quite true that the Latin *caelebs* meant unmarried but it is not, or at any rate it is no longer, true that its vernacular offspring celibate means the same thing in colloquial modern English. I cite, with minor abbreviation, from the eighth edition of *The Concise Oxford Dictionary*: celibate. adj. 1. committed to abstinence from sexual relations and from marriage, esp. for religious reasons. 2. abstaining from sexual relations. French usage, I may add, has nothing to do with the matter; nor could it have unless Professor Magosci or myself had chosen to communicate with you in that glorious but here superfluous tongue.

I note in passing that chaste similarly derives from Latin and that, also similarly, it does not mean in English what the word *castus* meant in the language of the Roman people. A Roman was entitled to regard himself as *castus* if he merely remained sexually pure, as defined by law and ritual. For him to be called *castus* it was accordingly enough that he confine his sexual activity to those persons permitted him by that same law and ritual (his wife, his slaves and prostitutes) and did not transgress (e.g., by committing adultery). It was by no means necessary that he keep his little fellow in his tunic, whether married or not.

Behind these charming semantic variations we may sense a wider truth: in all ages there are always those who are eager to police our sexual activities and categories. Professor Magosci and I do not agree on all things but I trust we shall agree that Professor Estes' distinction binds neither of us. As speakers of contemporary English, I fancy we understand each other well enough. If confusion there be, it is not ours.

MICHAEL DEWAR
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CULTURE OF COMFORT

Does president's March statement threaten academic freedom?

By JOHN FUREDY



KATHY BOAKE

DURING THE LAST TWO DECADES, MOST CANADIAN universities have conceded ground to the view that the comfort of individuals and groups should be central to the purpose of the university, moving away from the traditional vision that gives primacy to the search for truth through the conflict of ideas and enshrines the academic freedom of faculty and students. A common defence of this "culture of comfort" is that it averts demeaning and even dangerous behaviour and so contributes to making the campus "safe." Hence most universities have instituted speech codes, although that term is not used.

The University of Toronto followed this trend in the early 1990s inasmuch as its code forbade not only offensive behaviour but also offensive speech and hence weakened, at least in principle, the academic freedom of its community. In practice, however, the administration, for the last two decades, has not employed the speech code and has, in fact, protected academic freedom against the complaints of those who were offended by public expression of certain opinions.

A cursory reading of President David Naylor's March statement to Governing Council (reported on in the March 27 issue of *The Bulletin* with a reference to the full text) may suggest that this too is a defence of academic freedom for it says "the University of Toronto will continue to uphold the principle of free expression." However, there are aspects of the president's statement that have the potential to harm academic freedom in our university. The statement should be carefully scrutinized because it is a formal one to Governing Council, not merely an expression of an individual's opinion. As such it has precedent-setting status for the way in which future incidents are handled.

The potential threats to academic freedom all arise from the treatment of one of the four "incidents" that are said to have led to the "current strain." That incident is the "distribution of flyers including one of the Danish cartoons and statements that have caused offense to Muslims," to which the anti-racism office is said to have "responded fully and quickly" by calling the police. The justification given for this response was that the administration wished to distinguish between "provocatively reasonable" and "unreasonably provocative" flyers and (presumably) other expressions of opinion. In my view, and contrary to the university's speech code, distinguishing whether an opinion is or is not reasonable is not for

a university's administration to decide but rather a task for individual members of the academic community whose epistemological task is the search for truth through the conflict of (sometimes offensive) ideas. But even after the administration learned that the police did not consider the distributed flyers to be "hate literature," the statement to Governing Council nevertheless reported that the flyers (and hence, presumably, the distributors) remain "points of interest" to the police.

I suggest that in its treatment of this flyers incident, the president's statement to Governing Council undermines academic freedom not only with respect to its treatment of those who distributed the flyers but also those others who, in the future, wish to express opinions that might offend. There are three aspects that particularly concern me:

One, treating the flyer incident as if it were in the same class as the other three incidents (which all involved a degree of violence and criminality perpetrated on individuals, i.e., inappropriate acts) is to confuse offensive behaviour with offensive speech.

Two, it is disturbing that the administration referred to the police the question of whether the distribution of the flyers was a hate crime. Given the legal complexities of applying Canada's hate crime law, a matter like this deserves considered and expert legal opinion rather than a quick call to the cops.

And finally, there is the emphasis that the flyers will remain "points of interest" to the police. Why is this police opinion part of the statement? Just what does it mean? Will my university, in the future, treat those members of the academic community who express offensive opinions by referring them to the police and if the police think they "are of interest" by publicizing that fact in formal statements to Governing Council? Is this our Orwellian "golden future time"?

So while the president's statement assures the university community that our academic freedom is safe, I am troubled. The lumping together of incidents of unacceptable and even criminal behaviour with the distribution of flyers — clearly an expression of opinion — and the actions taken in the flyers incident suggest to me that, for the first time in 20 years, the university may be travelling down the path of comfort, activating its relatively dormant speech code and relaxing its protection of our academic freedom.

John Furedy is an emeritus professor of psychology and a former president of the Society for Academic Freedom and Scholarship.



The following are by U of T staff. Where there is multiple authorship, staff are indicated with an asterisk.

Beyond Justice: The Auschwitz Trial, by Rebecca Wittmann (Harvard University Press; 336 pages; \$35 US). This book investigates the infamous 1963 Frankfurt trial of 20 former guards (and one prisoner) from Auschwitz, based on the examination of the pretrial files and audiotapes of the trial. It posits that the prosecution — contrary to recent historiographical analyses of postwar German courts — made an extraordinary effort to put the entire "Auschwitz complex" on trial but was hindered by German law. The exigencies of the law — specifically the legal requirement of providing proof of "personal initiative" — "legitimated" the criminal Nazi state by defining murder in ways that eerily echoed the laws of the Third Reich.

History of the Book in Canada: Volume 2, 1840-1918, edited by Yvan Lamonde, Patricia Lockhart Fleming* and Fiona A. Black (U of T Press; 670 pages; \$85). This second volume extends the research on Canadian book and print culture from 1840 to the end of the First World War. During this period traditional genres of print — government publications, religious books, almanacs and schoolbooks — were joined in the mid- and late-19th century by new forms such as department store catalogues. Advances in Canada's postal service carried print to a wider audience.

Learning to Practise: Professional Education in Historical and Contemporary Perspective, edited by Ruby Heap, Wyn Millar and Elizabeth Smyth* (University of Ottawa Press; 220 pages; \$35). How does one become a professional? This collection of essays offers new insights into that fundamental question. Employing a wide variety of approaches and methodologies, the essays discuss such problematic issues as the most appropriate site for professional education, the proper focus and content of the initial and ongoing preparation of professionals and the nature of both continuity and change in professional education.

Health for Some: Death, Disease and Disparity in a Globalizing Era, by Ronald Labonte, Ted Schrecker and Amit Sen Gupta (Centre for Social Justice; 550 KB; \$14.95). This book investigates the impact of globalization on human health. Those who fall

behind in the winner-take-all markets of global competition not only suffer from poverty and poor health, they also lose access to health care and other essential health-producing services. Reversing these trends will require decisive action on the part of high-income countries in areas we do not often connect with: debt cancellation, increased development assistance, fair trade policies and global tax reforms.

When Canadian Literature Moved to New York, by Nick Mount (U of T Press; 210 pages; \$45). This book argues that Canadian literature was born, not in the backwoods of Ontario or the salt flats of New Brunswick but in cafés, publishing offices and boarding houses of late 19th-century New York. The last decades of the 19th century saw an extraordinary exodus from English Canada. Motivated by powerful obstacles to a domestic literature, most of these migrants landed in New York and found for the first time a large, receptive literary market and recognition from non-Canadian publishers and reviewers. This book is the story of these expatriate writers and how they changed Canadian literary history.

The Big Red Machine: How the Liberal Party Dominates Canadian Politics, by Stephen Clarkson (UBC Press; 352 pages; \$85 cloth, \$24.95 paper). The Liberal party has governed for 78 of the last 110 years. It is an astounding record, making it among the most successful political parties in the democratic world. This book tells the story of the party's performance in the last nine elections, providing essential historical context for each and offering incisive, behind-the-scenes detail about how it has planned, changed and executed its successful electoral strategies.

Calling Power to Account: Law, Reparations and the Chinese Canadian Head Tax, edited by Davis Dyzenhaus and Mayo Moran (U of T Press; 450 pages; \$75 cloth, \$42.95 paper). Courts today face a range of claims to redress historic injustice, including injustice perpetrated by the law. In Canada, descendants of the Chinese immigrants recently claimed the return of a head tax levied only on Chinese immigrants. This book uses the litigation around the Chinese-Canadian head tax case as a focal point for examining the historical, legal and philosophical issues raised by such claims.

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Ring of Kerry, S.W. Ireland: Sabbatical, writer's retreat or just a great vacation. Toronto-owned, centrally heated, fully furnished, equipped, 1/4-acre garden, overlooking Atlantic, Kenmare Bay, cozy with fireplace and Irish pine furniture, three-bedroom home (two doubles/one twin). Available June, August, September. Private, short walk to Caherdaniel Village, pubs, vast beaches. Lake/ocean fishing, hill-hiking, golf nearby. Weekly: August \$880; June/September \$630. edgarcowan@hotmail.com

HEALTH SERVICES

REGISTERED MASSAGE THERAPY. For relief of muscle tension, chronic pains and stress. Treatments are part of your extended health care plan. 170 St. George Street (at Bloor). For appointment call Mindy Hsu, B.A., R.M.T. 416-944-1312.

PERSONAL COUNSELLING in a caring, confidential environment. U of T extended health benefits provide excellent coverage. Dr. Ellen Greenberg, Registered Psychologist, Medical Arts Building, 170 St. George Street. 416-944-3799.

Dr. Gina Fisher, Registered Psychologist. Individual, couple, marital therapy. Depression, anxiety, loss, stress, work, family, relationship, self-esteem problems; sexual orientation and women's issues. U of T health benefits apply. 180 Bloor St. W., ste. 806. 416-961-8962.

PSYCHOANALYTIC PSYCHOTHERAPY with a registered psychologist. Dr. June Higgins, 131 Bloor St. W. (Bloor and Avenue Road). 416-928-3460.

Psychologist providing individual and couple therapy. Work stress, anxiety, depression, personal and relationship concerns. U of T health plan covers cost. Dr. Sarah Maddocks, Registered Psychologist, 114 Maitland Street (Wellesley & Jarvis). 416-972-1935, ext. 3321.

Dr. Neil Pilkington (Psychologist). Assessment and individual, couples and group cognitive-behaviour therapy for: anxiety/phobias, depression/low self-esteem, stress and anger management, couples issues and sexual identity/orientation concerns. Staff/faculty healthcare benefits provide full coverage. Morning, afternoon and evening appointments. Downtown/TTC. 416-977-5666. E-mail Dr.Neil.Pilkington@primus.ca

Psychotherapy for personal and relationship issues. Individual, group and couple therapy. U of T extended health plan provides coverage. For a consultation call Dr. Heather A. White, Psychologist, 416-535-9432, 140 Albany Avenue (Bathurst/Bloor).

Evelyn Sommers, Ph.D., Psychologist, provides psychotherapy and counselling for individuals and couples from age 17. Covered under U of T benefits. Yonge/Bloor. Visit www.ekslibris.ca; call 416-413-1098; e-mail for information package, eks@passport.ca

Individual psychotherapy for adults. Evening hours available. Extended benefits coverage for U of T staff. Dr. Paula Gardner, Registered Psychologist, 114 Maitland St. (Wellesley and Jarvis). 416-469-6317.

Dr. Cindy Wahler, Registered Psychologist. Yonge/St. Clair area. Individual and couple psychotherapy. Depression, relationship difficulties, women's issues, health issues, self-esteem. U of T extended healthcare plan covers psychological services. 416-961-0899. cwahler@sympatico.ca

Dr. Carol Musselman, Registered Psychologist. Psychotherapy for depression, anxiety, trauma and other mental health needs, relationship problems, issues related to gender, sexual orientation, disability. Covered by extended health plans. 455 Spadina (at College), # 211. 416-568-1100 or cmusselman@oise.utoronto.ca; www.carolmusselman.com

Swedish massage, acupuncture, naturopathy, other alternative medicine services. Direct insurance billing available for U of T staff. 80 Bloor St. W., suite 1100. 416-929-6958. www.PacificWellness.ca

Psychoanalysis & psychoanalytic psychotherapy for adolescents, adults, couples. U of T extended health benefits provide coverage. Dr. Klaus Wiedermann, Registered Psychologist, 1033 Bay St., Ste. 204, tel: 416-962-6671.

Rosemary Hazelton Ph.D., Dipl., TCPP. Psychotherapy for adults, couples, children and adolescents. Relationship and self-esteem difficulties; symptoms of anxiety and depression; effects of abuse, trauma, separation and loss. Telephone 416-486-5528 (Yonge & Summerhill). rhazelton@rogers.com

Hypnosis & psychotherapy for adults. Trauma, depression, anxiety, panic, phobia, stress, chronic illness, relationship, self-esteem, habit control, U of T health plan coverage. Dr. Kathleen Lung, Registered Psychologist. Finch subway. 416-754-6688. E-mail kathleen.lung@rogers.com

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EVENTS



LECTURES

Breeding Spaces/ Spatium Gelatum.

TUESDAY, APRIL 11
Zbigniew Oksuta, architect and artist.
Room 103, 230 College St. 6:30 p.m.
Architecture, Landscape & Design

Multiculturalism in the World of Mass Media During the Digital Era.

WEDNESDAY, APRIL 12
Laura D'Aprile and Daniela Sanzone,
OMNI. Madden Hall, Carr Hall, St.
Michael's College, 100 St. Joseph St.
7:30 p.m. *Frank Iacobucci Centre for
Italian Canadian Studies*

Spiritual Practice in Challenging Times.

SATURDAY, APRIL 15
Gehlek Rimpoche, Tibetan Buddhist
lama. George Ignatieff Theatre, 15
Devonshire Place. 7 p.m. *Study of
Religion, U of T Buddhist Community and
Jewel Heart*

Responsible Investment: What Is It All About?

TUESDAY, APRIL 18
Jane Ambachtsheer, Mercer Investment
Consulting; Pensions at Work series. 5-
175 OISE/UT, 252 Bloor St. W. Noon to
2 p.m. *Pensions at Work*

Opera Atelier.

WEDNESDAY, APRIL 19
Marshall Pynkoski, Opera Atelier. 001
Emmanuel College, 75 Queen's Park
Cres. E. 10:30 a.m. Academy members
free, non-members \$5. *Academy for
Lifelong Learning*

Early Iron Age Archeology and the Culture of the Eastern Aegean.

WEDNESDAY, APRIL 19
Yasar Ersoy, Bilkent University; Kress
lecture. 119 Northrop Frye Hall,
Victoria University. 5:30 to 7 p.m.
*Archaeological Institute of America,
Toronto Chapter*

The Novel and Christian Culture.

WEDNESDAY, APRIL 19
Philip Marchand, author and literary
critic for the *Toronto Star*; annual
Christianity and the Arts lecture. 400
Alumni Hall, St. Michael's College, 121
St. Joseph St. 7:30 p.m. *Christianity &
Culture Program*

Tsunami!

THURSDAY, APRIL 20
Prof. Anthony Szeto, York University.
432 Ramsay Wright Zoological
Laboratories. 1 p.m. *Sigma Xi, U of T
Chapter*

Who Is the Single Individual? On the Hermeneutics of the Religious and the Secular in Kierkegaard.

FRIDAY, APRIL 21
Prof. Em. Brayton Polka, York
University. Combination Room, Trinity
College. 7:30 to 10 p.m. *Kierkegaard
Circle*

Ukraine's Orange Revolution and After: Visions and Realities.

MONDAY, APRIL 24
Prof. Gerhard Simon, University of
Cologne; Wolodymyr George Danyliw
lecture. Vivian & David Campbell
Conference Facility, Munk Centre for
International Studies. 6 to 8 p.m.
Wolodymyr George Danyliw Foundation

Who Owned It and Why It Matters: Provenance.

TUESDAY, APRIL 25
Richard Landon, Thomas Fisher Rare
Book Library; Frederic Alden Warren
lecture. George Ignatieff Theatre, 15
Devonshire Place. 8 p.m. *John W.
Graham Library, Trinity College*



COLLOQUIA

Ensemble Laws.

WEDNESDAY, APRIL 12
Prof. Denis Walsh, Institute for the
History & Philosophy of Science &
Technology. 323 Old Victoria College
Building. 4 p.m. *History & Philosophy of
Science & Technology*

Sarvodaya, Nationalism and Transnationalism.

MONDAY, APRIL 24
A.T. Ariyaratne, Sarvodaya movement;
Religion, International Diplomacy &
Economics series. 208N Munk Centre
for International Studies. Noon to
1:30 p.m. Registration: webapp.mcis.

utoronto.ca. *Trinity College, International
Studies and Study of Religion*

Accreditation of Research Ethics Boards.

TUESDAY, APRIL 25
Padraig Darby, Centre for Addiction &
Mental Health. Room 801, Clarke site,
250 College St. Noon. *Addiction &
Mental Health*



SEMINARS

Using Flies to Study Synapse Development, Maintenance and Neural Degeneration.

WEDNESDAY, APRIL 12
Dr. Rong Grace Zhai, Baylor College of
Medicine, Houston, Tex. 203 Tanz
Neuroscience Building. 10 a.m. *Research
in Neurodegenerative Diseases*

EU-Ukraine Dialogue After the Orange Revolution.

WEDNESDAY, APRIL 12
Inna Pidluska, Foundation Europe
XXXI, Kyiv, Ukraine. 108N Munk Centre
for International Studies. 2 to
4 p.m. *Petro Jacyk Program for the Study of
Ukraine and Institute of European Studies*

Chronic Illness of Self- Management That Occurs Outside the Physical Confines of Healthcare Organizations.

WEDNESDAY, APRIL 19
Warren Winkelman, post-doctoral fel-
low, medicine; Prof. Mark Rosenberg,
Queen's University. discussant. 412

Health Sciences Building, 155 College
St. 3 to 5 p.m. *Health Care, Technology &
Place*

Immigration and the Open Society.

THURSDAY, APRIL 20
Prof. Chandram Kukathas, University of
Utah. 3130 Sidney Smith Hall. 2 to 4
p.m. *Political Science*

Archimedes' Fulcrum in Descartes' Meditations.

FRIDAY, APRIL 21
James Thomas, CRRS fellow. 205
Northrop Frye Hall, Victoria University.
3:30 p.m. *Reformation & Renaissance
Studies*

MEETINGS & CONFERENCES

Planning & Budget Committee.

TUESDAY, APRIL 11
Council Chamber, Simcoe Hall. 4:10 p.m.

Crossroads in Global Health: The Dual Challenge of Infectious and Chronic Diseases.

WEDNESDAY, APRIL 19 TO
FRIDAY, APRIL 21
Annual global health research confer-
ence. John R. Evans lectureship in
global health presented by Kevin Kain,
global health program, U of T.
Auditorium, Medical Sciences Building.
Registration fee: non-member U of T
faculty and GHEC members \$325, non-
members \$425, residents \$225,
students \$75. *Global Health Education
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WEDNESDAY, APRIL 19

CONFERENCE OPENING PROGRAMME IN ASSOCIATION
WITH THE CENTRE FOR GLOBAL HEALTH RESEARCH
ST. MICHAEL'S HOSPITAL

TORONTO LAUNCH - Disease Control Priorities in Developing
Countries Project - 2nd Edition

OPENING REMARKS - Catharine Whiteside
Dean, Faculty of Medicine, University of Toronto

PANEL CHAIR - Arthur Slutsky
Vice President, Research, St. Michael's Hospital
Chair, Critical Care Medicine, Faculty of Medicine
University of Toronto
Author, DCCP

KEYNOTE
INVESTING IN HEALTH: KEY MESSAGES FROM DCCP
Dean Jamison, Professor, Economics, School of Medicine
University of California, San Francisco
Editor-in-Chief, DCCP

THURSDAY, APRIL 20

WELCOME - David Zakus
Director, Centre for International Health
Associate Professor, Department of Public Health Sciences and
Department of Health Policy, Management and Evaluation
Faculty of Medicine, University of Toronto
President, Global Health Education Consortium

OPENING REMARKS AND INTRODUCTION OF JOHN EVANS
Catharine Whiteside, Dean, Faculty of Medicine
University of Toronto

KEYNOTE INTRODUCTION - John Evans
Chair, MaRS Discovery District

KEYNOTE - Kevin Kain
Director, Global Health Program, McLaughlin Center for
Molecular Medicine, University of Toronto
Director, The Center for Travel and Tropical Medicine
The Toronto General Hospital - University Health Network

HEALTH FINANCING AND THE DUAL CHALLENGE OF
INFECTIOUS AND CHRONIC DISEASES
CHAIR AND OPENING REMARKS - David de Ferranti
Chair, Task Force on Health Financing in Developing Countries
World Bank
Senior Fellow, The Brookings Institution & United Nations Foundation
PERSPECTIVE FROM MEXICO - Julio Frenk
PERSPECTIVE FROM THAILAND - Viroj Tancharoensathien

FRIDAY, APRIL 21

KEYNOTE - Philip Berger
Chief, Department of Family and Community Medicine
Medical Director, Inner City Health Program, St. Michael's Hospital
Associate Professor, Department of Family and Community
Medicine, University of Toronto

INTRODUCTION - Jeffrey Lozon
President & Chief Executive Officer, St. Michael's Hospital, Toronto

CONCURRENT PANELS
• GLOBAL HEALTH CURRICULUM
• GLOBAL HEALTH EDUCATION
• GRASSROOTS HEALTHCARE INITIATIVES
• DONOR AND FOUNDATION CHALLENGES ON
• GLOBAL HEALTH FINANCING
• GLOBAL HEALTH CHALLENGES
• ABORIGINAL HEALTH ISSUES
• MENTAL HEALTH
• RENAL DISEASE
• SURGICAL INTERVENTIONS
• GLOBAL HEALTH ETHICS
• DEVELOPING A GLOBAL HEALTH WORKFORCE
• TEACHING AND LEARNING GLOBAL HEALTH
• GLOBAL INFECTIOUS DISEASES

BRIDGES BETWEEN INFECTIOUS AND CHRONIC DISEASES:
TOBACCO AND TUBERCULOSIS
Prabhat Jha, Director, Centre for Global Health Research
St. Michael's Hospital
Associate Professor, Department of Public Health Sciences
University of Toronto
Co-Editor, DCCP

CHRONIC DISEASE BURDENS: RENAL AND
GENITOURINARY DISEASES
John Dirks, Professor of Medicine and
Senior Fellow of Massey College
University of Toronto
Author, DCCP



PERSPECTIVE FROM WHO - Tim Evans
HEALTH FINANCING AND GLOBAL HEALTH - Dean Jamison
DISCUSSANT - Dan Kress

PLENARY IN ASSOCIATION WITH THE CENTRE FOR
GLOBAL HEALTH RESEARCH, ST. MICHAEL'S HOSPITAL
THE WORLD'S CHRONIC AND INFECTIOUS DISEASES
DISEASE CONTROL PRIORITIES
CHAIR - Duncan Stewart, Director
McLaughlin Centre for Molecular Medicine, University of Toronto

GLOBAL BURDEN OF CHRONIC DISEASES - Majid Ezzati
TOBACCO ADDICTION - Prabhat Jha
DIABETES - Venkat Narayan
RENAL DISEASES - John Dirks
HEALTH ECONOMICS - Susan Horton

CHOOSING A CAREER IN GLOBAL HEALTH
CHAIR AND OPENING REMARKS - Dan Hunt
Vice Dean, Northern Ontario School of Medicine

NURSING STUDENTS (4th Year) - Salma Wajji & Amanda Walsh
POST-DOCTORAL FELLOW - Stephanie Nixon
MEDICAL STUDENT (3rd Year) - Andrew Pinto
BIOETHICIST - Ross Upshur
RESEARCHER - Kelly MacDonald
DEPARTMENT CHAIR - Don Wasylenko
PERSPECTIVE FROM SURGERY - Massey Beveridge

IMPACT OF INFECTIOUS AND CHRONIC DISEASES:
MULTIDISCIPLINARY VIEWS

CHAIR AND OPENING REMARKS - Bruce Kidd
Dean, Faculty of Physical Education and Health
University of Toronto

Harvey Skinner, Chair, Department of Public Health Sciences
Faculty of Medicine, University of Toronto

Vic Neufeld, National Coordinator
Canadian Coalition for Global Health, Research

Sarita Verma, Associate Dean, Graduate Education
Faculty of Medicine, University of Toronto

Levente Diosady, Professor of Food Engineering
Department of Chemical Engineering and Applied Chemistry

Anwar Velji, Chief, Infectious Disease,
Kaiser Permanente Medical Center, South Sacramento
Clinical Professor of Medicine, University of California
School of Medicine, Davis
Co-Founder and Treasurer, GHEC

EVENTS

Pediatric Ophthalmology for Everyone.

FRIDAY, APRIL 21

Annual Jack Crawford Day conference. Featured guests: Prof. Sharon Freedman, Duke University, and Prof. Richard Hertle, University of Pittsburgh School of Medicine. Hospital for Sick Children. Registration fee: \$125. Information and registration: www.cme.utoronto.ca. Continuing Medical Education

University Affairs Board.

TUESDAY, APRIL 25

Council Chamber, Simcoe Hall. 4:30 p.m.

MUSIC

FACULTY OF MUSIC EDWARD JOHNSON BUILDING

U of T Symphony Orchestra.

WEDNESDAY, APRIL 12

With the MacMillan Singers, Doreen Rao, director; University Women's Chorus, Robert Cooper, director; Master Chorale, Brainerd Blyden-Taylor and Lori Anne Dolloff, directors. MacMillan Theatre. 7:30 p.m. Tickets \$17, students and seniors \$9.

Thursdays at Noon.

THURSDAY, APRIL 13

Lara St. John, violin. Walter Hall. 12:10 p.m.

Opera Series.

SATURDAY, APRIL 22 AND

SUNDAY, APRIL 23

Kurt Weill in America: A Musical Theatre Entertainment. Walter Hall. Saturday, 7:30 p.m.; Sunday, 2:30 p.m. Tickets \$13, students and seniors \$7.

World of Music.

TUESDAY, APRIL 25

Felix Galimir Chamber Music Award gala concert. Walter Hall. 7:30 p.m. Pay what you can.

EXHIBITIONS

BLACKWOOD GALLERY U OF T AT MISSISSAUGA

2006 Graduate Exhibitions: Exhibition II.

TO APRIL 16

Works by graduates of the art and art history program, a collaborative program between the Sheridan Institute of Technology & Advanced Learning and U of T at Mississauga. Gallery hours: Monday to Friday, 11 a.m. to 5 p.m.; Sunday 1 to 5 p.m.

HART HOUSE

hic: Installations and Interventions.

TO APRIL 16

Featuring work by 18 contemporary artists with histories of exhibiting contemporary art in non-conventional places, organized by the Hart House Installation Collective. Situated throughout Hart House. Hours: Hart House open hours.

THOMAS FISHER RARE BOOK LIBRARY

Ars Medica: Medical

Illustration Through the Ages.

TO APRIL 28

An exhibition to commemorate the 70th anniversary of the founding of Associated Medical Services. Hours: Monday to Friday, 9 a.m. to 5 p.m.

DORIS MCCARTHY GALLERY U OF T AT SCARBOROUGH

Zaimai: Return, Afghanistan.

TO MAY 12

A result of Zaimai's return to his native Afghanistan under the auspices of the UN commissioner for refugees, this exhibition presents a body of work that is a dramatic personal account of the beginnings of reconstruction. Gallery hours: Tuesday to Friday, 10 a.m. to 4 p.m.; Sunday, noon to 5 p.m.

U OF T ART CENTRE

Frank's Drawings: Eight Museums.

TO JUNE 17

Spanning 25 years, from 1979 to 2004, the exhibition includes 49 original pen-on-paper drawings of eight museum projects by architect Frank Gehry. Delta Gamma Gallery, Laidlaw Wing, University College. Hours: Tuesday to Friday, noon to 5 p.m.; Saturday, noon to 4 p.m.

ERIC ARTHUR GALLERY FACULTY OF ARCHITECTURE, LANDSCAPE & DESIGN

Norman Foster: Gliding Through Space.

APRIL 10 TO SEPTEMBER 30

Architectural, engineering and furniture projects by acclaimed British architect Norman Foster. 230 College St. Gallery hours: Monday to Friday, 9 a.m. to 5 p.m.; Saturday, Noon to 5 p.m.

JUSTINA M. BARNICKE GALLERY HART HOUSE

APRIL 13 TO MAY 11

Photographic Abstractions. Adam Lodzinski, paper and photography in the service of abstraction. East Gallery.

The Photography of David Barker Maltby.

Images of squeegee kids and the homeless through the lens of David Barker Maltby (1962-2001); curated by Ethan Eisenberg and Susan Maltby. West Gallery. Gallery hours: Monday to Friday, 11 a.m. to 7 p.m.; Saturday and Sunday, 1 to 4 p.m.

MISCELLANY

New Biography of Harold Innis.

WEDNESDAY, APRIL 12

A celebration of the publication of *Marginal Man, the Dark Vision of Harold Innis* by Alexander John Watson. Innis College. 4:30 p.m. RSVP: rsvp.innis@utoronto.ca; +16-978-7023. Innis College and Harold Innis Foundation

COMMITTEES

The Bulletin regularly publishes the terms of reference and membership of committees. The deadline for submissions is Monday, two weeks prior to publication.

SEARCH

DIRECTOR, HUMAN BIOLOGY PROGRAM
A search committee has been established to recommend a director of the human biology program in the Faculty of Arts & Science. Members are: Professors Pekka Sinervo, dean, Faculty of Arts & Science (chair); Rob Baker, chair, zoology; Roy Baker, biochemistry; Martha Brown, medical genetics and microbiology; David Clandfield, principal, New College; Anne Cordon, biology, UTM; Sue Howson, vice-dean (undergraduate education and teaching), Faculty of Arts & Science; Hy van Luong, chair, anthropology; Susan

Pfeiffer, dean, School of Graduate Studies and vice-provost (graduate education); Rowan Sage, chair, botany; and Franco Vaccarino, chair, psychology; and Josh Ramjist, undergraduate student, human biology program; Sally Walker, assistant principal and registrar, New College; and Vera Melnyk, director, office of the dean (secretary).

The committee would appreciate receiving nominations and comments from interested members of the university community. These should be submitted to Professor Pekka Sinervo, dean, Faculty of Arts & Science, Room, 2005, Sidney Smith Hall.

Spiritual Practice in Challenging Times

a talk by

Gehlek Rimpoche,
Tibetan Buddhist lama



SATURDAY, APRIL 15
7:00 P.M.

George Ignatieff Theatre
15 Devonshire Place

Presented by
the U of T Department for
the Study of Religion, U of T Buddhist
Community and Jewel Heart.

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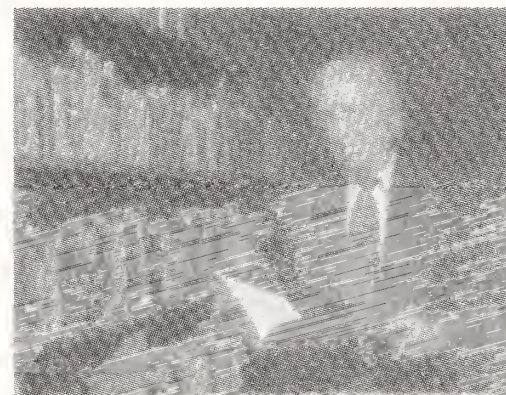
Frederic Alden Warren Lecture

John W. Graham Library, Trinity College

Who Owned It and Why It Matters: Provenance

RICHARD LANDON

DIRECTOR, THOMAS FISHER
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Prelude to Spring

PHOTOS BY CAZ ZYVATKAUSKAS

Sheets of rain and grey skies cannot diminish the energy of spring.

On the St. George campus buds and birds come to life.

Left, top to bottom: the red-tailed hawk, a frequent visitor to King's College Circle, takes to the air before the deluge; umbrellas up at Hart House; a sparrow is unmoved by the rain or the traffic on College Street as he perches in a forsythia bush.

Right, top to bottom: buds emerging through the rain; decorative drainpipes off Tower Road; green shoots of the daffodil; serviceberries prepare to blossom.

